

U.S.S.N. 10/057,081

2

FGT 1622 PA (199-0868)

In The Claims:

Please amend claim 16 to appear as follows:

16. (Amended) A method for improving wear resistance of the outer surface of a titanium bell cup, the method comprising the steps of:

preparing the outer surface of the titanium bell cup;

and

applying an adhesion promoter coating to the outer surface;

applying a wear resistant coating to the adhesion promoter coating.

Please add new claims 35-40 to appear as follows:

35. (New) The method of claim 8, wherein applying a wear resistant coating to said outer surface comprises applying a wear resistant carbon coating to said outer surface.

36. (New) The method of claim 35, wherein applying a wear resistant coating to said outer surface comprises applying a silicon-doped amorphous carbon coating to said outer surface.

37. (New) The method of claim 16, wherein applying a wear resistant coating to the adhesion promoter coating comprises applying a wear resistant carbon coating to the adhesion promoter coating.

U.S.S.N. 10/057,081

3

FGT 1622 PA (199-0868)

38. (New) The method of claim 37, wherein applying a wear resistant carbon coating to the adhesion promoter comprises applying a silicon-doped amorphous carbon coating to the adhesion promoter coating.

39. (New) The method of claim 25, wherein applying a wear resistant coating to said outer spraying surface comprises applying a wear resistant carbon coating to said outer spraying surface.

40. (New) The method of claim 39, wherein applying a wear resistant carbon coating to said outer spraying surface comprises applying a silicon-doped amorphous carbon coating to said outer spraying surface.